

## Rat IL-18 ELISA Kit

Catalog No: #EK5257

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## Description

Product Name	Rat IL-18 ELISA Kit
Specificity	Rat
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	E.coli,H37-S194
Other Names	Interleukin-18; IL-18; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; Il18; Igif;
Accession No.	P97636
Uniprot	P97636
GeneID	29197;
Cell Localization	Secreted.

## Application Details

sensitivity:1pg mlDetect Range:15.6pg ml-1000pg ml  
sample\_type:cell culture supernates serum and plasma(heparin EDTA).capture\_antibody:monoclonal antibody from mousedetection\_antibody:polyclonal antibody from

goatgene\_name:IL18protein\_name:Interleukin-18gene\_full\_name:Interleukin-18tissue\_specificity:sequence\_similarities:tmb\_incubation:15-20minresearch\_category:immunology|innate immunity|cytokines|interleukins|cancer|invasion/microenvironment|angiogenesis|angiogenic growth factors|tumor immunology|cancer metabolism|response to hypoxia|pathways and processes|metabolism processes|types of disease

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat IL-18

## Background

protein\_function: Augments natural killer cell activity in spleen cellsand stimulates interferon gamma production in T-helper type 1cells.Interleukin(IL)-18, also called Interferon-gamma-inducing factor(IGIF), augments natural killer(NK) activity in spleen cells. The gene encodes a precursor protein of 192 amino acids and a mature protein of 157 amino acids.1 IL-18 is a recently discovered cytokine that modulates both T helper type 1(Th1) and Th2 responses.2 IL-18 is a potent proinflammatory cytokine with potential atherogenic properties. It is highly expressed in the atherosclerotic plaques compared with control normal arteries and is localized mainly in plaque macrophages.3

Note: This product is for in vitro research use only